This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. - 24. (Cancelled)

25. (New) A system for treating combustion exhaust gas, which system comprising: a catalyst effective to promote oxidation of at least NO to NO_2; a filter downstream of the oxidation catalyst, which filter being effective to collect soot and hold it for combustion reaction with the NO_2 in the gas; a NOx absorber downstream of the filter, which NOx absorber is charged with solid adsorbent; means for introducing intermittently a regenerant of the absorber, which means being effective to inject a NOx-specific reactant upstream of the absorber; and a catalyst system effective to promote reactions of hydrocarbons (HC) and CO with O_2 to H_2O and CO_2 and to treat NOx to N_2, wherein said catalyst system is at least one of: (1) associated with the absorber; or (2) located downstream of the absorber.

26. (New) A system according to claim 25, wherein the catalyst system is associated with the absorber.

27. (New) A system according to claim 25, wherein the catalyst system is disposed in a separate bed downstream of the absorber.

28. (New) A system according to claim 25, wherein the NOx absorbent comprises at least one of: (a) compounds of alkali metals, alkaline earth metals, rare earth metals and transition metals or a mixed oxide of any two or more thereof; and (b) zeolites, carbons and/or oxides.

29. (New) A system according to claim 25, wherein the NOx absorbent comprises a mixed oxide selected from the group consisting of Ba-Cu-O and MnO_2-$BaCuO_2$.

30. (New) A system according to claim 25, wherein the catalyst system comprises at least one of vanadia/titania and one or more platinum group metal.

31. (New) A system according to claim 25, wherein the injection means is arranged to inject the reactant upstream of the filter.

32. (New) A system according to claim 31, wherein the injection means is arranged to inject the reactant upstream of the oxidation catalyst.

~~33~~ 9 (New) A system according to claim ~~25~~ 1, wherein the injection means is arranged to inject the reactant downstream of the filter.

~~34~~ 10 (New) A system according to claim ~~25~~ 1, wherein the filter is catalysed.

~~35~~ 11 (New) A system according to claim ~~25~~ 1, wherein the injection means is for injecting ammonia, hydrazine, urea or aqueous urea solution.

~~36~~ 12 (New) A process for treating combustion exhaust gas containing CO, hydrocarbons (HC), NO, O_2, soot and non-reactive gases, comprising the steps of: (i) catalysing oxidation of NO to NO_2; (ii) collecting soot on a filter; (iii) combusting the collected soot by reaction with NO_2; (iv) removing NOx from the product of step (iii) by contacting a regenerable NOx absorbent with gas containing NOx; (v) regenerating the absorbent intermittently by injecting a NOx-specific reactant upstream of the absorbent; and (vi) at least during step (v), contacting a catalyst system effective to promote reactions of HC and CO with O_2 to H_2O and CO_2 and to react NOx to N_2 with the gas product of step (v).

~~37~~ 13 (New) A process according to claim ~~36~~ 12, wherein the reactant is injected into: (a) lean exhaust gas as generated by the engine or the product of a preceding step of exhaust treatment; or (b) gas made leaner when the NOx-specific reactant is injected with air.

~~38~~ 14 (New) A process according to claim ~~36~~ 12, wherein the NOx-specific reactant is ammonia or hydrazine and is injected as such or as a precursor compound decomposable thereto *in situ*.

~~39~~ 15 (New) A process according to claim ~~38~~ 14, wherein the precursor is urea or aqueous urea solution.

~~40~~ 16 (New) A process according to claim ~~36~~ 12, wherein the exhaust gas is the product of combustion of fuel containing less than 50 ppm w/w of sulphur.

~~41~~ 17 (New) A system according to claim ~~25~~ 1, wherein the NOx absorbent comprises a mixed oxide selected from the group consisting of at least one of CeO_2, Y-Ba-Cu-O and Y-Sr-Co-O.